

**What Is Claimed Is:**

1           1. An image forming apparatus, comprising:  
2           an interface unit outputting a control signal in a  
3           predetermined format to an output unit in accordance with a  
4           sensing signal from a sensor;  
5           an image capturing unit for capturing image; and  
6           a driving unit detachably coupled to the interface unit,  
7           wherein the driving unit having an input unit receiving the  
8           control signal for driving the image capturing unit in  
9           accordance with the control signal.

1           2. The image forming apparatus as claimed in claim 1,  
2           wherein a first coupling apparatus is provided in the interface  
3           unit, and a second coupling apparatus corresponding to the first  
4           coupling apparatus and detachably engaged in the first coupling  
5           apparatus is further provided in the driving unit.

1           3. The image forming apparatus as claimed in claim 2,  
2           wherein the first coupling apparatus and the second coupling  
3           apparatus each comprises corresponding sticking structures.

1           4. The image forming apparatus as claimed in claim 2,  
2           further comprising a storage unit for saving the image captured  
3           as an image record.

1           5. The image forming apparatus as claimed in claim 4,  
2           wherein the image record is in digital format.

1           6. The image forming apparatus as claimed in claim 5,  
2 wherein the control signal comprises an impulse signal.

1           7. The image forming apparatus as claimed in claim 5,  
2 wherein the sensor is selected from the group consisting of a  
3 pressure sensor, a humidity sensor, a chemo-sensor, a timer, an  
4 audiosensor, a photoelectric cell, an ultra red sensor, and a  
5 magnetic field sensor.

1           8. The image forming apparatus as claimed in claim 1,  
2 wherein the sensor comprises a switch.

1           9. The image forming apparatus as claimed in claim 8,  
2 wherein the switch is given an external force to generate the  
3 sensing signal with a voltage change in the sensor.

1           10. The image forming apparatus as claimed in claim 1,  
2 wherein the sensor comprises an image identify device.

1           11. The image forming apparatus as claimed in claim 10,  
2 wherein the image identify device generates the sensing signal  
3 corresponding to a result from comparing the image with a  
4 predetermined pattern.

1           12. The image forming apparatus as claimed in claim 1,  
2 wherein the image capturing unit is a digital video camera.

1           13. The image forming apparatus as claimed in claim 1,  
2 wherein the image capturing unit is a digital photo camera.

1 14. A signal generator for controlling an image forming  
2 apparatus, the image forming apparatus captures a control signal  
3 in a predetermined format, the signal generator comprises:

4 a sensor generating a sensing signal in accordance with  
5 environmental variations; and

6 an interface device detachably coupled to the image forming  
7 apparatus, the interface device generating the control signal  
8 in accordance with the sensing signal.

1 15. The signal generator as claimed in claim 14, wherein  
2 the interface device is further provided with a coupling  
3 mechanism for detachably engaging the image capturing  
4 apparatus.

1 16. The signal generator as claimed in claim 15, wherein  
2 the coupling mechanism comprises corresponding sticking  
3 structure.

1 17. The signal generator as claimed in claim 14, wherein  
2 the control signal comprises an impulse signal.

1 18. The signal generator as claimed in claim 14, wherein  
2 the sensor is selected from the group consisting of a pressure  
3 sensor, a humidity sensor, a chemo-sensor, a timer, an  
4 audiosensor, a photoelectric cell, an ultra red sensor, and a  
5 magnetic field sensor.

1 19. The signal generator as claimed in claim 14, wherein  
2 the sensor comprises an image identify device.

1           20. The signal generator as claimed in claim 19, wherein  
2     the image identify device generates the sensing signal  
3     corresponding to a result from comparing the image with a  
4     predetermined pattern data.